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ELECTRONIC THESIS AND DISSERTATION UNSYIAH

TITLE

PENGARUH SUBSTITUSI AMTABIS YANG DIFERMENTASI DENGAN ASPERGILLUS NIGER TERHADAP PERFORMA AYAM BROILER

ABSTRACT

THE EFFECT OF SUBSTITUTION FERMENTED AMTABIS WITH *Aspergillus niger* ON BROILER PERFORMANCE

By
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ABSTRACT

Study on the effect of substitution fermented Amtabis with *Aspergillus niger* on broiler performance was conducted at Experimental Farm Laboratory, Animal Husbandry Department, Syiah Kuala University Darussalam Banda Aceh from 4 December 2015 to 9 January 2016. The purposes of this study was to evaluate substitution of fermented Amtabis with commercial broiler on broiler performance including body weight, feed consumption and feed conversion ratio. Totally 100 DOC were used in this study for 35 day. The experiment was designed by using completely randomized design (CRD) consisting 4 treatments (P0=0%, P1=2%, P2=4%, and P3=6% of Amtabis in the commercial feed) and 5 replications. Parameters which were observed in this study were body weight, feed consumption and feed conversion ratio. The results on the study indicate that substitution of Amtabis in commercial feed significantly effected (P0,05) on feed consumption, feed conversion ratio and feed efficiency. Decreasing of performance broiler by substitution Amtabis in the commercial feed was probably caused by imbalance of nutritive feed formulation after Amtabis substitution. Further research by consideration feed balance need to be conducted.

Key words: Broiler, Amtabis, Performance and Substitution.